

## ***Ion-Bond Armor Subsurface Sealer***

### **APPLICATION INSTRUCTIONS**

IonBond Armor is a state-of-the-art, water based, polysiloxane sealer formulated to penetrate deep into concrete, masonry, and porous building materials, and form an elastomeric waterproof barrier well below the surface. IonBond Armor is suitable for indoor or outdoor use, horizontal and vertical surfaces, above or below grade.

#### **SURFACE PREPARATION**

New concrete and masonry must be cured at least 21 days prior to application.

The concrete must be completely **clean and bare**. Remove all paints, sealers, adhesives, curing or form release compounds. Clean off dirt, oil, grease, wax, efflorescence, and other contaminants that might interfere with sealer penetration.

IonBond Armor is able to penetrate through a **single layer of latex paint** to seal the substrate below. Ensure painted surfaces are thoroughly washed and scrubbed for best results. (Latex paint is porous. Ion-Bond will not penetrate through other paints or hybrid paints with latex, two or more layers of latex, or heavy floor paints.)

Make sure that **the substrate is porous**. If needed, increase surface porosity by sanding, grinding, or acid etching. If acid is used for etching or cleaning, neutralize the surface with a solution of baking soda in warm water or with an ammonia solution. Then thoroughly rinse the surface with water.

The concrete must **be thoroughly dry** before IonBond Armor application. Allow the surface to dry for at least 72 hours after pressure washing. You can speed up the drying by using fans.

Protect plants, and non-masonry surfaces from overspray, splash, and wind drift.

IonBond Armor may damage some plastics, such as polystyrene.

Divert foot and vehicle traffic.

Always test surface porosity prior to application.

#### **SURFACE AND AIR TEMPERATURES**

Avoid rain for 72 hours before application and 24 hours after application.

Air and surface temperatures should be between 40-120 °F during application. Air and surface temperatures should not dip below 40 °F within 24 hours after application.

Do not apply to hot surfaces in direct sunlight or in strong wind.

#### **TOOLS NEEDED**

A hand pump garden sprayer or other low-pressure sprayer regulated below 40 psi, equipped with a fan-tip nozzle.

Power drill for product mixing.

Brush or paint roller.

## *Ion-Bond Armor Subsurface Sealer*

### **MATERIALS INCLUDED**

- 1 x 5 gallons pail IonBond Amor
- 1 x 225 ml bottle activator
- 1 x mixing tool for power drill

### **APPLICATION**

Spray application of IonBond Armor is preferred. When spray application is not practical, roller or brush can be used.

Attach mixing tool (provided) to power drill.

Thoroughly shake pail. Remove the cap on the pail and insert the mixing tool. Thoroughly mix while adding the entire contents of the activator bottle.

Fill sprayer. Always mix the sealer before re-filling the sprayer.

Product must be used within 45 days of shipment and within 15 days after mixing the activator.

### **APPROXIMATE COVERAGE**

Apply in accordance with the rates below (coverage varies with surface porosity):

Poured Concrete	1,000 sq. ft. per 5-gal. pail
Concrete blocks	700 sq. ft. per 5-gal. pail
Cinder blocks or split face blocks	500 sq. ft. per 5-gal. pail

### **Vertical surfaces**

Using a tarp or newspapers, cover the floor adjacent to the walls.

Apply a thorough, wetting coat from the bottom up. Avoid excessive rundown below the spray contact point. Use a roller or brush to spread out any runs or drips until they penetrate.

Spray on a second application 15-20 minutes after the first, while the surface is still wet.

More porous surfaces (i.e. cinder blocks, split-faced blocks) may need a lighter third application.

When applying with a roller, maintain a wet edge.

### **Horizontal Surfaces**

Apply IonBond Armor in a continuous, glistening film. **Do NOT** over-apply. Broom or roll out puddles until the sealer penetrates. Surfaces should be allowed to absorb as much sealer as possible **without puddling**.

## ***Ion-Bond Armor Subsurface Sealer***

Spray on a second application 15-20 minutes after the first, while the surface is still wet.

When applying with a roller, maintain a wet edge.

### **DRYING & CURING**

Do not allow traffic on treated surfaces until the product has penetrated and dried.

Treated surfaces should remain moisture free for 24 hours after application.

### **CLEANUP**

Clean overspray with a clean rag while still wet.

Rinse sprayer and clean application equipment after use with warm soapy water.

Removing dried sealer may require mechanical abrasion or a 50/50 solution of acetone and toluene.

### **PAINT & TOPCOATS**

Surfaces treated with IonBond armor remain suitable for paints, topcoats, or patching compounds, tiles, carpeting, etc.

### **STORAGE**

Store in a cool, dry place out of direct sunlight. Keep container tightly closed. Do not store at temperatures over 100 °F. Protect from freezing.

### **SHELF LIFE**

45 days from the date of shipment.

15 days after mixing.

Read MSDS and take appropriate safety precautions before use.